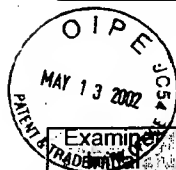


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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date
✓	AA 08/856,533	5/14/97	Nicolaou, K., et al.			5/14/97
✓	AB 08/923,869	9/4/97	Nicolaou, K., et al.			9/4/97
✓	AC 60/032,864	12/13/96	Nicolaou, K., et al.			12/13/96
CTO	AD 6,194,181 B1	2/27/01	Hofmann, H., et al.			2/12/99
I	AE 6,204,388 B1	3/20/01	Danishefsky, S.J., et al.			2/24/99
CTO	AF 6,211,412 B1	4/3/01	Georg et al.			3/29/99

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Filing Date
X	BA 4138042.8	5/27/93	Germany (German and English abstract)			
	BB 19639456.2	5/29/97	Germany (German and English translation)			
	BC 19542986.9	5/29/97	Germany (German and English translation)			
	BD 19636343.8	3/5/98	Germany (German and English abstract)			
	BE 19645361.5	4/30/98	Germany (German and English abstract)			
	BF 19645362.3	4/30/98	Germany (German and English abstract)			
	BG 19647580.5	5/28/98	Germany (German and English translation)			
	BH 10701758	7/23/98	Germany (German and English abstract)			
	BI 10707505.3	9/3/98	Germany (German and English abstract)			
	BJ 19719970	10/8/98	Germany (German and English abstract)			
	BK 19720312	11/10/98	Germany (German and English abstract)			
	BL 19621954	11/19/98	Germany (German and English abstract)			
	BM 979 005	11/25/98	Europe (German and English abstract)			
	BN 19726627	12/24/98	Germany (German and English abstract)			
	BQ 93/10121	6/27/93	World (PCT as published and English abstract)			
	BP 97/19086	5/29/97	World (PCT as published and English translation)			
	BQ 98/08849	3/5/98	World (PCT as published and English abstract)			
	BR 98/22461	5/28/98	World (PCT as published and English translation)			
X	BS 98/24427	6/11/98	World			

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BT	98/25929	6/18/98	World (PCT as published and priority documents: U.S. 60/032,864, 08/856,533, 08/923,869)		
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CA	Balog, A., et al., "Total Synthesis of (-) Epothilone A", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 35, No. 23/24, 2801-2803 (1996)
CB	Bertini, F., et al., "Alkenes from Epoxides by Reductive Elimination with Magnesium Bromide-Magnesium Amalgam", <i>Chem. Commun.</i> , 144 (1970)
CC	Bollag, D.M., et al., "Epothilones: A New Class of Microtubule-stabilizing Agents with a Taxol-like Mechanism of Action", <i>Cancer Res.</i> 55, No. 11, 2525-2533 (1995)
CD	Fujisawa, T., et al., "Deoxygenation of Epoxides to Olefins with FeCl ₃ - n-BuLi System", <i>Chem. Lett.</i> , 883-886 (1974)
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CF	Gladysz, J. A., et al., "Deoxygenation of Epoxides by Metal Atom Cocondensation", <i>J. Org. Chem.</i> , Vol. 41, No. 22, 3647-3648 (1976)
CG	Hofe, G., et al., "Epothilone A and B—Novel 16-Membered Macrolides with Cytotoxic Activity: Isolation, Crystal Structure, and Conformation in Solution", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 35, No. 13/14, 1567-1569 (1996)
CH	Hofe, G., et al., "N-Oxidation of Epothilone A-C and O-Acyl Rearrangement to C-19 and C-21-Substituted Epothilones", <i>Angew. Chem. Int. Ed.</i> , Vol. 38, No. 13/14, 1971-1974 (1999)
CI	Inokuchi, T., et al., "Opening of Epoxides to Olefins or Halohydrins with Vanadium(II) Tetrahydrofuran or Vanadium(III) Tetrahydrofuran Complexes", <i>Synlett</i> , No. 6, 540-542 (1992)
CJ	Kowalski, R. J., et al., "Activities of the Microtubule-stabilizing Agents Epothilones A and B with Purified Tubulin and in Cells Resistant to Paclitaxel (Taxol®)", <i>J. Biol. Chem.</i> , Vol. 272, No. 4, 2534-2541 (1997)
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CL	Martin, M. G., et al., "Epoxides as Alkene Protecting Groups: A Mild and Efficient Deoxygenation", <i>Tetrahedron Letters</i> , Vol. 25, No. 3, 251-254 (1984)
CM	McMurry, J. E., et al., "Reduction of Epoxides to Olefins with Low-Valent Titanium", <i>J. Org. Chem.</i> , Vol. 40, No. 17, 2556-2556 (1975)
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CO	Meng, D., et al., "Remote Effects in Macrolide Formation Through Ring-Forming Olefin Metathesis: An Application to the Synthesis of Fully Active Epothilone Congeners", <i>J. Am. Chem. Soc.</i> , Vol. 119, No. 11, 2733-2734 (1997)
CP	Nicolaou, K. C., et al., "An Approach to Epothilones Based on Olefin Metathesis", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 35, No. 20, 2399-2401 (1996)
CQ	Nicolaou, K. C., et al., "Total Synthesis of Epothilone A: The Macrolactonization Approach", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 36, No. 5, 525-527 (1997)
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CX	Sato, M., et al., "Reduction of Organic Compounds with Low-Valent Niobium (NbCl ₅ /NaAlH ₄)", <i>Chem. Letters</i> , 157-160 (1982)
CY	Schinzer, D., et al., "Total Synthesis of (-)-Epothilone A", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 36, No. 5, 623-624 (1997)
CZ	Schober, R., et al., "Reduction and Isomerization of Oxiranes and α -Diazoketones by Various Early Transition Metallocenes", <i>Synlett</i> , Vol. 8, 466-466 (1990)
CAA	Sharpless, K. B., et al., "Lower Valent Tungsten Halides, A New Class of Reagents for Deoxygenation of Organic Molecules", <i>J. Amer. Chem. Soc.</i> , Vol. 94, No. 18, 6536-6540 (1972)
CAB	Su, D.-S., et al., "Total Synthesis of (-)-Epothilone B: An Extension of the Suzuki-Coupling Method and Insights into Structure-Activity Relationships of the Epothilones", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 36, No. 7, 757-759 (1997)
CAC	Su, D.-S., et al., "Structure-Activity Relationships of the Epothilones and the First In Vivo Comparison with Paclitaxel", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 36, No. 19, 2093-2096 (1997)
CAD	Victory, S. F., et al., "Relative Stereochemistry and Solution Conformation of the Novel Paclitaxel-Like Antimitotic Agent Epothilone A", <i>Bioorg. Med. Chem. Letts.</i> , Vol. 6, No. 7, 893-898 (1996)
CAE	Winkler, J. D., et al., "A Model For The Taxol (Paclitaxel)/Epothilone Pharmacophore", <i>Bioorg. Med. Chem. Letts.</i> , Vol. 6, No. 24, 2963-2966 (1996)
CAF	Yang, Z., et al., "Total Synthesis of Epothilone A: The Olefin Metathesis Approach", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 36, No. 1/2, 166-168 (1997)
CAG	Bollag, D., et al., "Epothilone, A New Structural Class of Microtubule Stabilizer", Abstract, <i>Proc. Am. Assoc. Cancer Res.</i> , Vol. 36, 86 Meet. 454 (1995)
CAH	Bollag, D., "Epothilones: Novel Microtubule-Stabilising Agents", <i>Expert Opin. Invest. Drugs</i> , Vol. 6, No. 7, 867-873 (1997)
CAI	Bertinato, P., et al., "Studies Toward a Synthesis of Epothilone A: Stereoccontrolled Assembly of the Acyl Region and Models for Macrocyclization", <i>J. Org. Chem.</i> , Vol. 61, No. 23, 8000-8001 (1996)
CAJ	<i>Chemical & Engineering News</i> , "Epothilone Epiphany: Total Syntheses", Vol. 74, No. 52, 24-26 (1996)
CAK	<i>Chemical & Engineering News</i> , "First Total Synthesis of Epothilone B", Vol. 75, No. 13, 23 (1997)

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CAL		Chemical & Engineering News, "Solid Phase Epothilone Synthesis Used to Create Analog Library", Vol. 75, No. 20, 33 (1997)
CAM		Claus, E., et al., "Synthesis of the C1-C9 Segment of Epothilons", <i>Tetrahedron Lett.</i> , Vol. 38, No. 8, 1359-1362 (1997)
CAN		De Brabander, J., et al., "Towards a Synthesis of Epothilone A: Rapid Assembly of the C1-C6 and C7-C12 Fragments", <i>Synlett</i> , Vol. 7, 824-826 (1997)
CAO		Gabriel, T. and Wessjohann, L., "The Chromium-Reformatsky Reaction: Asymmetric Synthesis of the Aldol Fragment of the Cytotoxic Epothilons from 3-(2-Bromoacyl)-2-Oxazolidinones", <i>Tetrahedron Lett.</i> , Vol. 38, No. 8, 1363-1366 (1997)
CAP		Gerd, K., et al., "Epothilons A and B: Antitumor and Cytotoxic Compounds from <i>Sorangium cellulosum</i> (Myxobacteria): Production, Physico-chemical and Biological Properties", <i>J. Antibiotics</i> , Vol. 49, No. 6, 560-563 (1996)
CAQ		Marshall, A., "Total Synthesis of Epothilone", <i>Nature Biotechnology</i> , Vol. 15, No. 3, 205 (1997)
CAR		Meng, D., et al., "Studies Toward a Synthesis of Epothilone A: Use of Hydroxyran Templates for the Management of Acyclic Stereochemical Relationships", <i>J. Org. Chem.</i> , Vol. 61, No. 23, 7998-7999 (1996)
CAS		Meng, D., et al., "Total Syntheses of Epothilones A and B", <i>J. Am. Chem. Soc.</i> , Vol. 119, No. 42, 10073-10092 (1997)
CAT		Mensching, S. and Kalesse, M., "Generation of Thiazoles by Column Dehydrogenation of Thiazolidines with MnO ₂ ", <i>J. Prakt. Chem.</i> , Vol. 339, No. 1, 96-97 (1997)
CAU		Mulzer, J. and Mantoulidis, A., "Synthesis of the C(1)-C(9) Segment of the Cytotoxic Macrolides Epothilone A and B", <i>Tetrahedron Lett.</i> , Vol. 37, No. 51, 9179-9182 (1996)
CAV		Nicolaou, K., et al., "Chemistry, Biology and Medicine of Selected Tubulin Polymerizing Agents", <i>Pure Appl. Chem.</i> , Vol. 71, No. 6, 989-997 (1999)
CAW		Nicolaou, K., et al., "Total Synthesis of Epothilone E and Related Side-chain Modified Analogues Via a Stille Coupling Based Strategy", <i>Bioorg. Med. Chem.</i> , Vol. 7, No. 5, 665-697 (1999)
CAX		Schinzer, D., et al., "Studies Towards the Total Synthesis of Epothilones: Asymmetric Synthesis of the Key Fragments", <i>Chem. Eur. J.</i> , Vol. 2, No. 22, 1477-1482 (1996)
CAY		Taylor, R. and Haley, J., "Towards the Synthesis of Epothilone A: Enantioselective Preparation of the Thiazole Sidechain and Macrocyclic Ring Closure", <i>Tetrahedron Lett.</i> , Vol. 38, No. 12, 2061-2064 (1997)
CAZ		Schinzer, D., et al., "Syntheses of (-)-Epothilone A", <i>Chem. Eur. J.</i> , Vol. 5, No. 9, 2483-2491 (1999)
CBA		Schinzer, D., et al., "Syntheses of (-)-Epothilone B", <i>Chem. Eur. J.</i> , Vol. 5, No. 9, 2492-2500 (1999)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.) (Continued)

X	CBB	Nicolaou, K. C., et al., "Synthesis and Biological Properties of C12,13-Cyclopropylepothilone A and Related Epothilones", <i>Chemistry & Biology</i> , Vol. 6, No. 7, 365-372 (1998)
	CBC	Altmann, K.H., et al., "Epothilones and Related Structures - A New Class of Microtubule Inhibitors With Patent In Vivo Antitumor Activity", <i>Biochim. Biophys. Acta</i> , 1470 (2000)
	CBD	Nicolaou et al., "Total Synthesis of Epothilone E and Analogs with Modified Side Chains Through The Stille Coupling Reaction", <i>Angew. Chem. Int. Ed.</i> 37, 84-87 (1998)
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X	CBF	Nicolaou et al., "Chemical Biology of Epothilones", <i>Angew. Chem. Int. Ed.</i> , 37, 2014-2045 (1998)

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